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FIG. 1

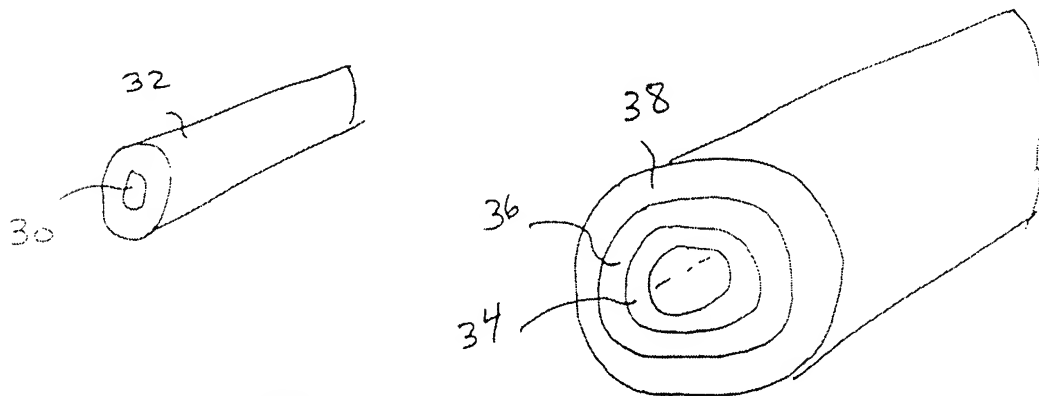
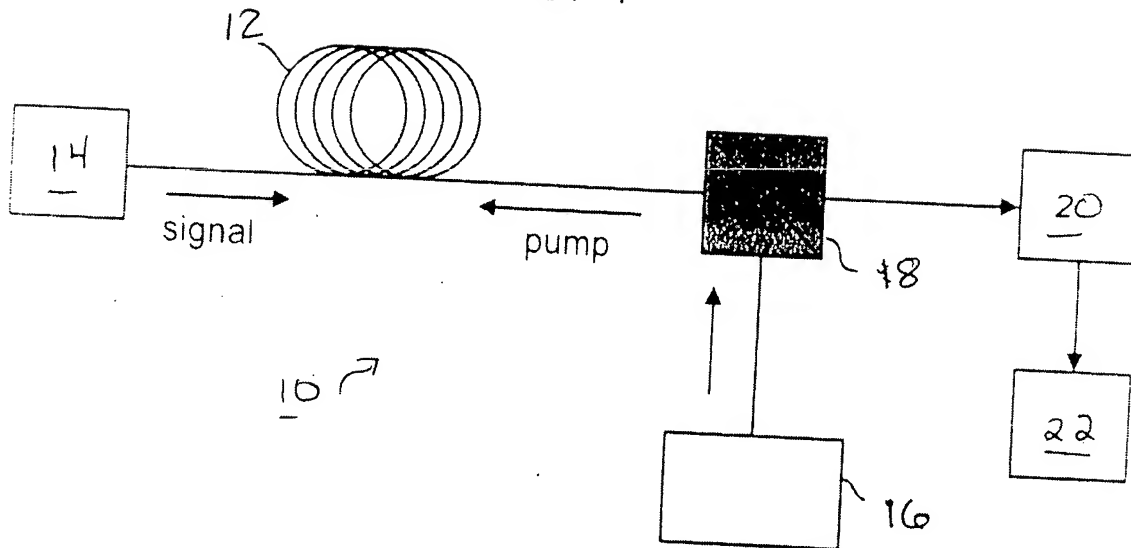
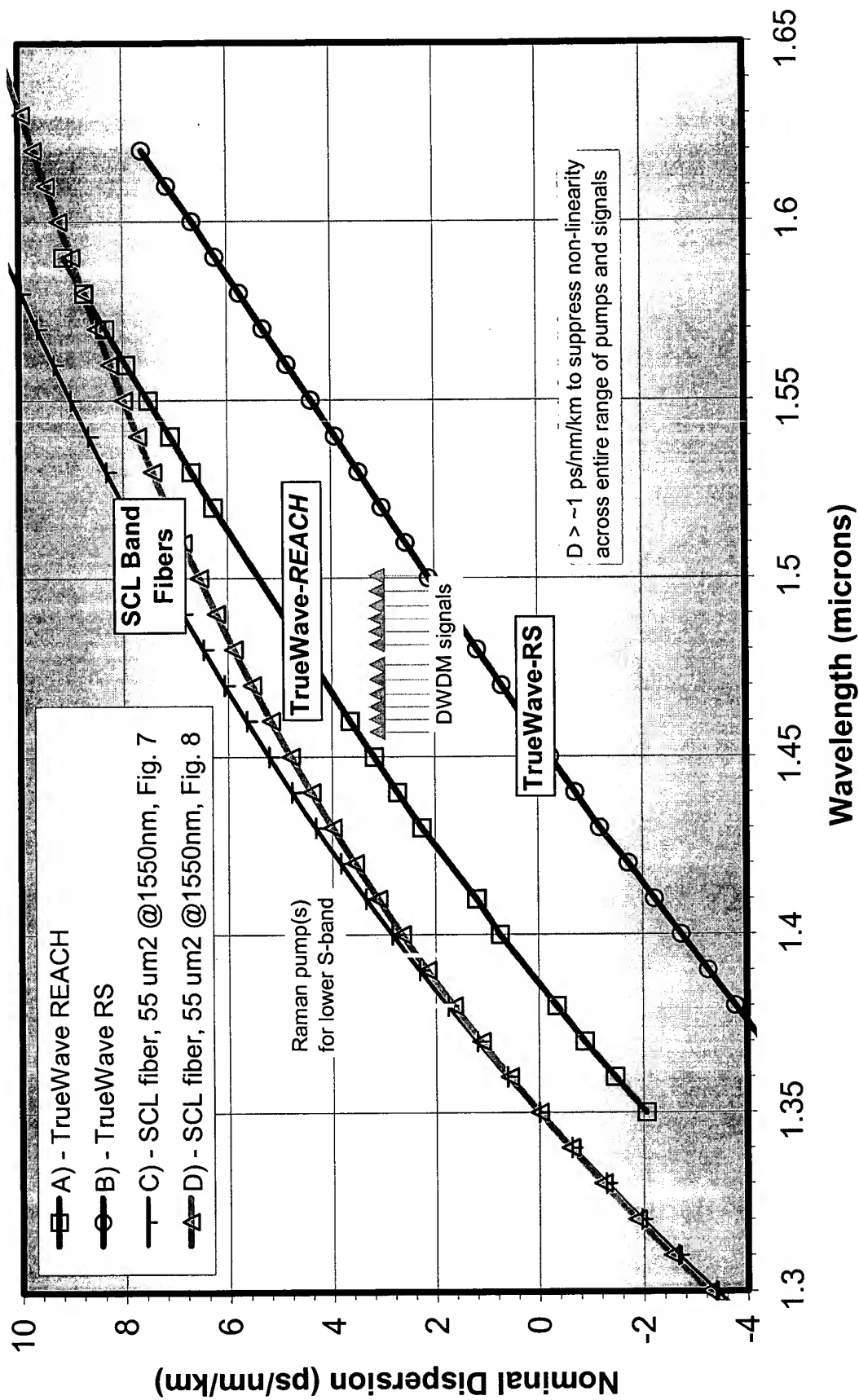


FIG. 10

**FIG. 2: Dispersion Curves for S-band Raman Pumping**



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FIG. 3: Range of water peaks, 0.341 1310nm loss background

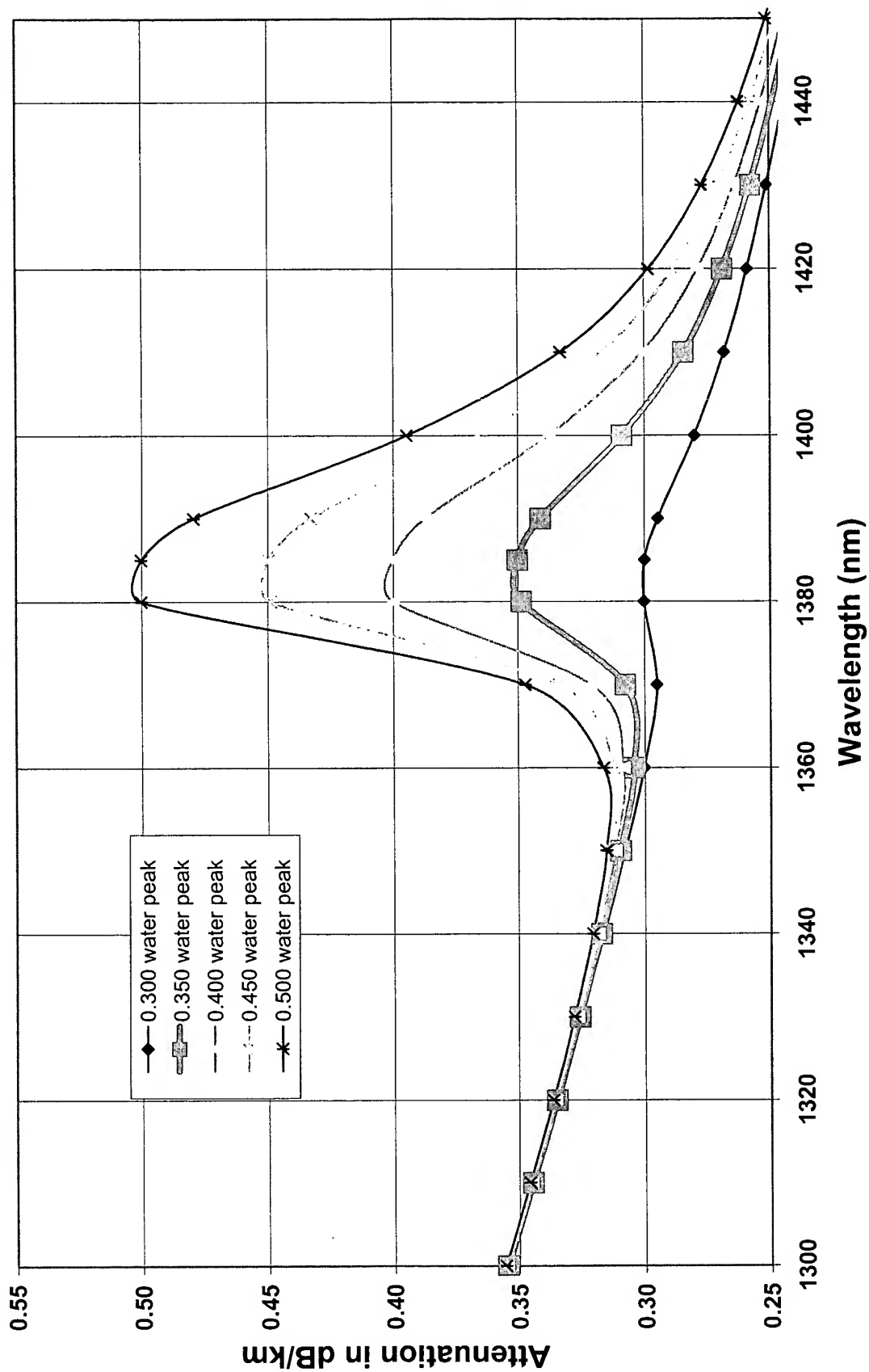


FIG. 4: Spectral Loss Curve with Raman Pumps and Signals

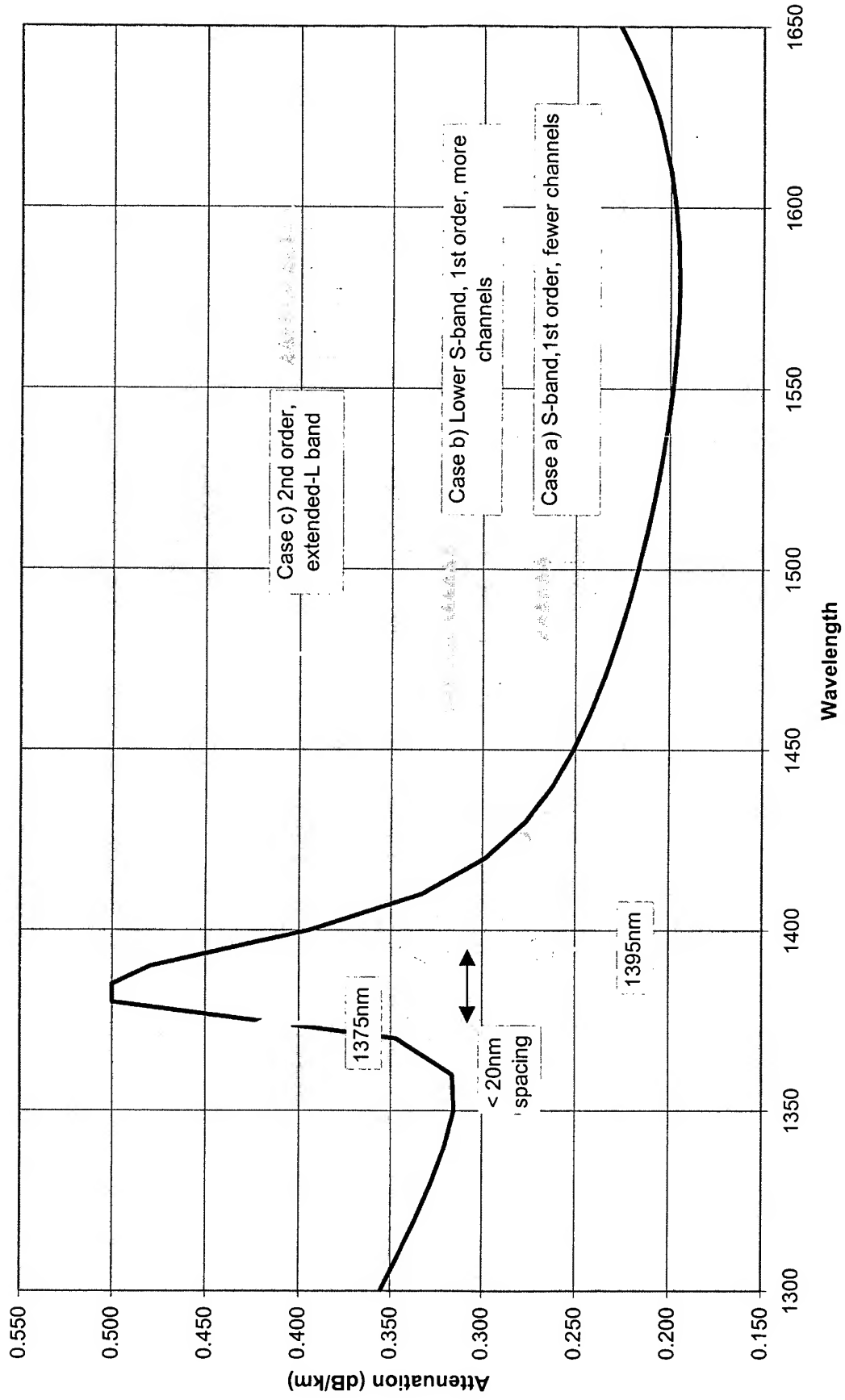


FIG. 5: 100km Span pumped to Transparency

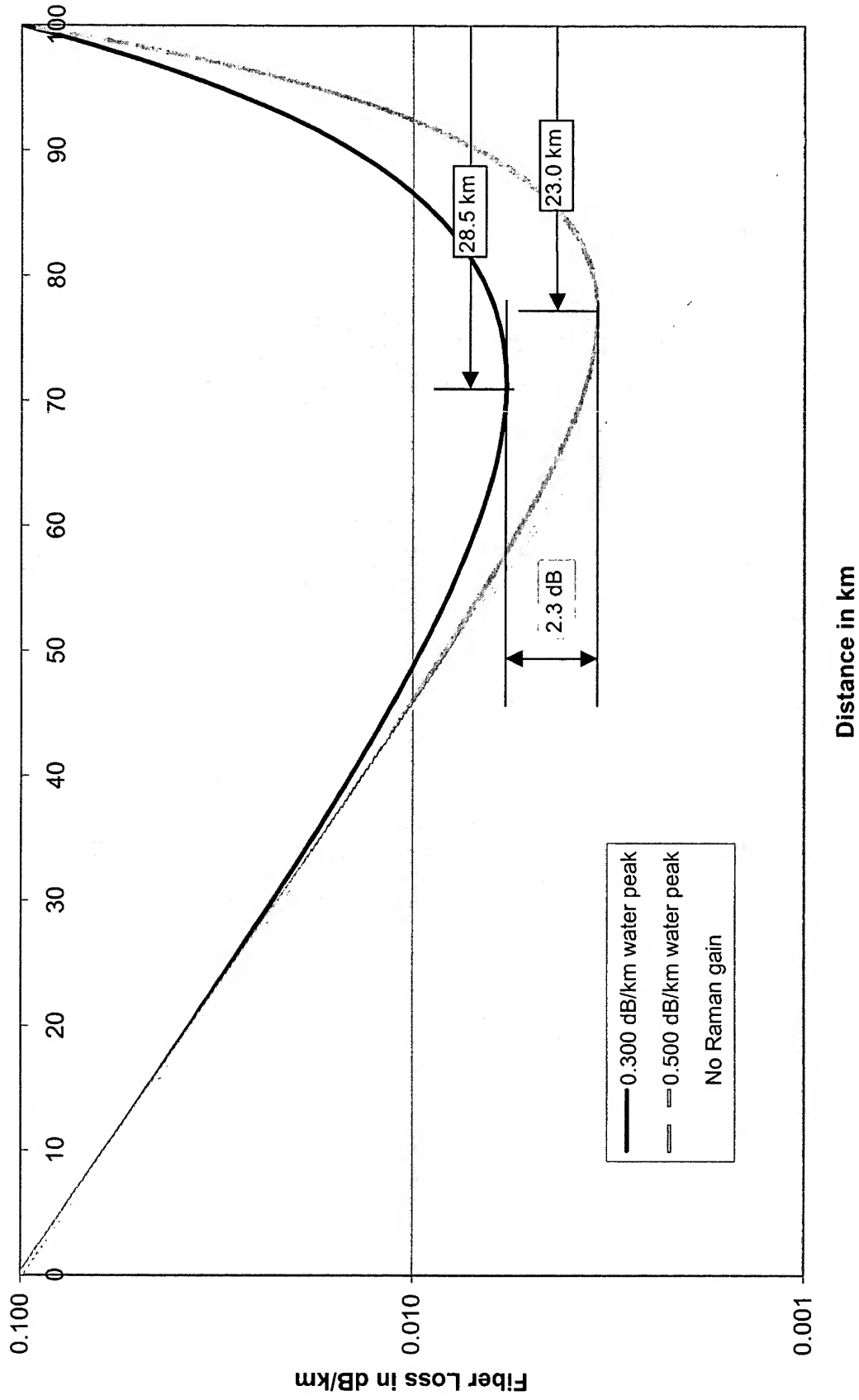


FIG. 6: 100km Span pumped to 15dB gain, 2nd order Raman

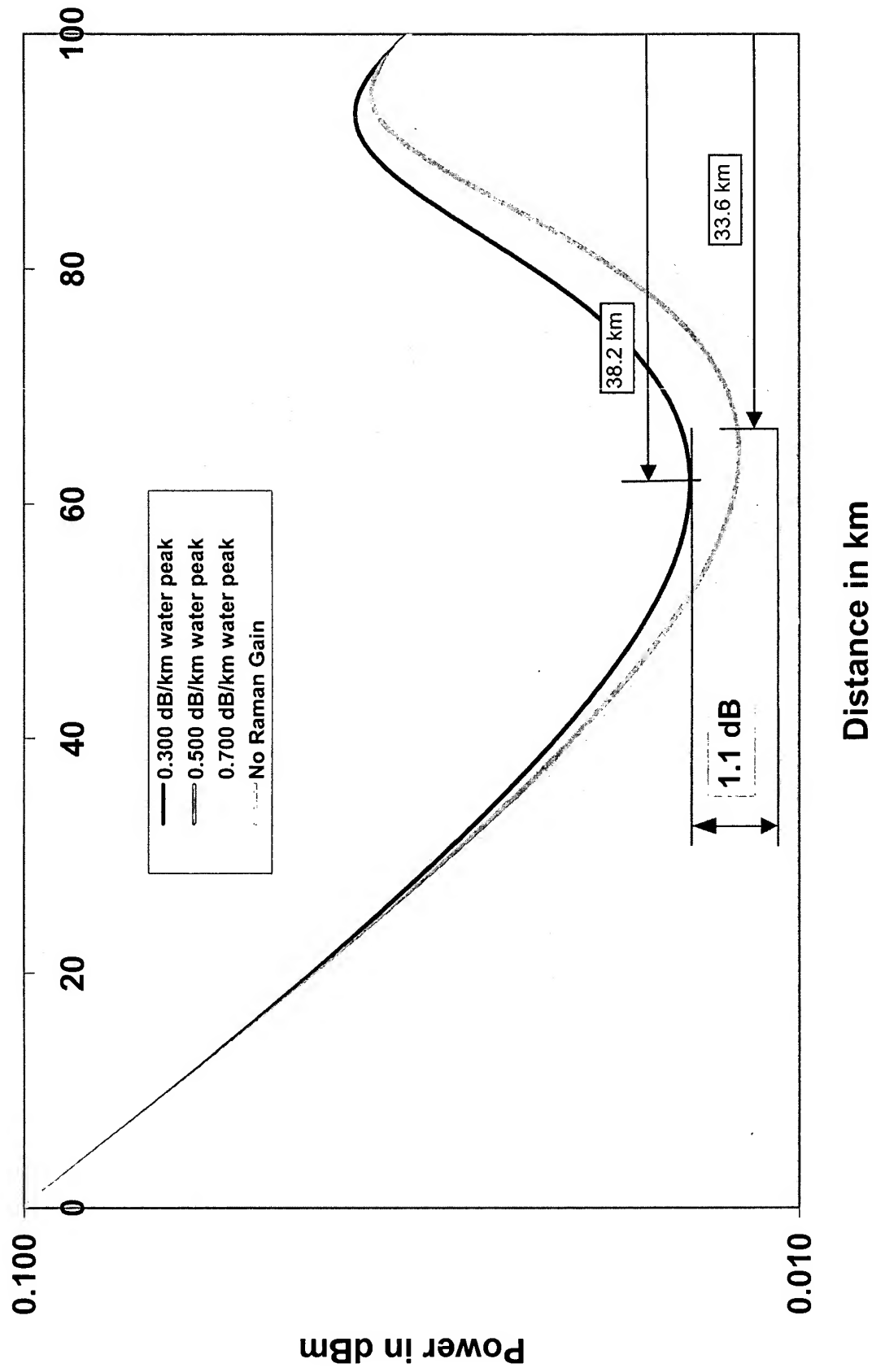
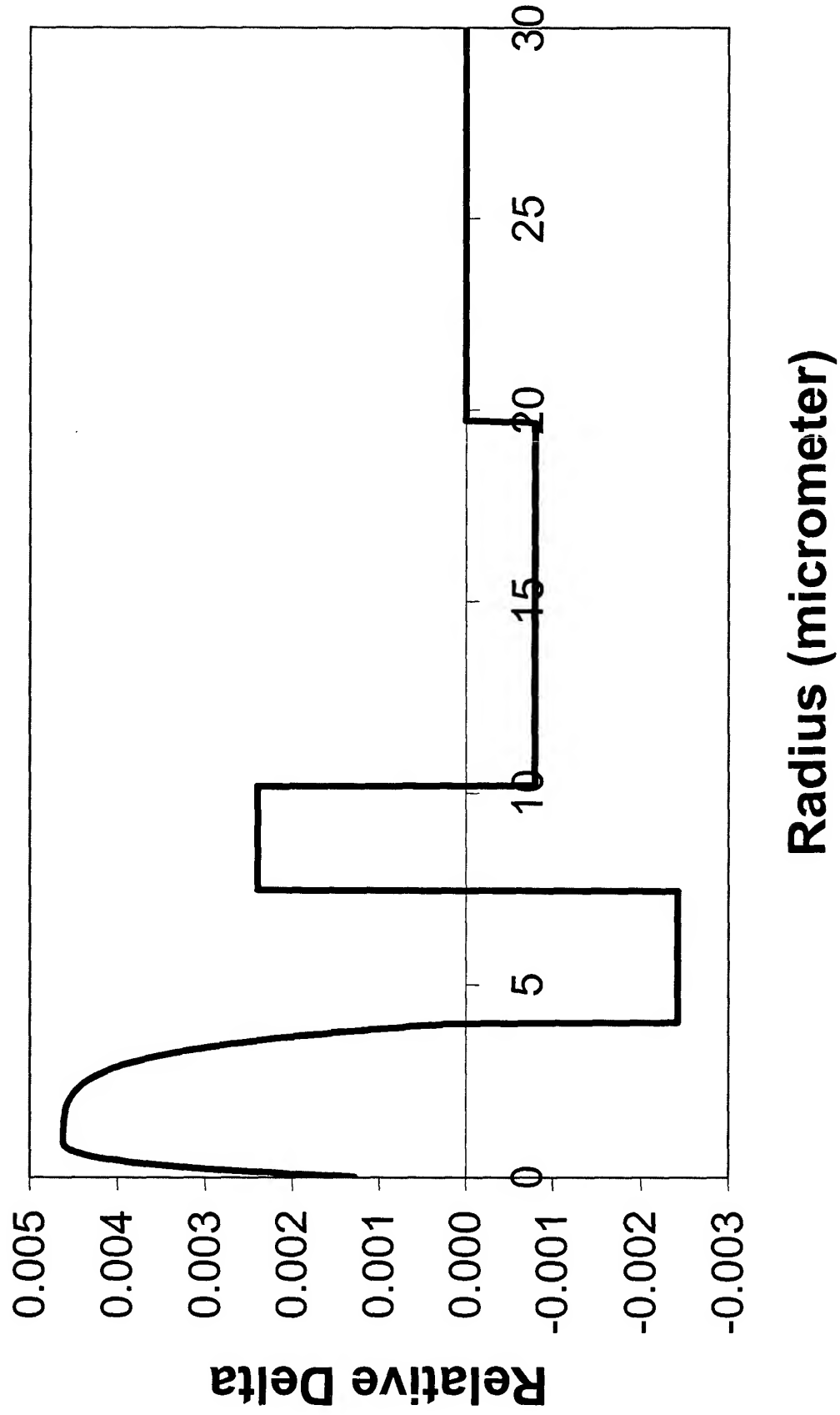


FIG. 7: Profile Representing a first SCL Band Fiber



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FIG. 8: Profile Representing a second SCL Band Fiber

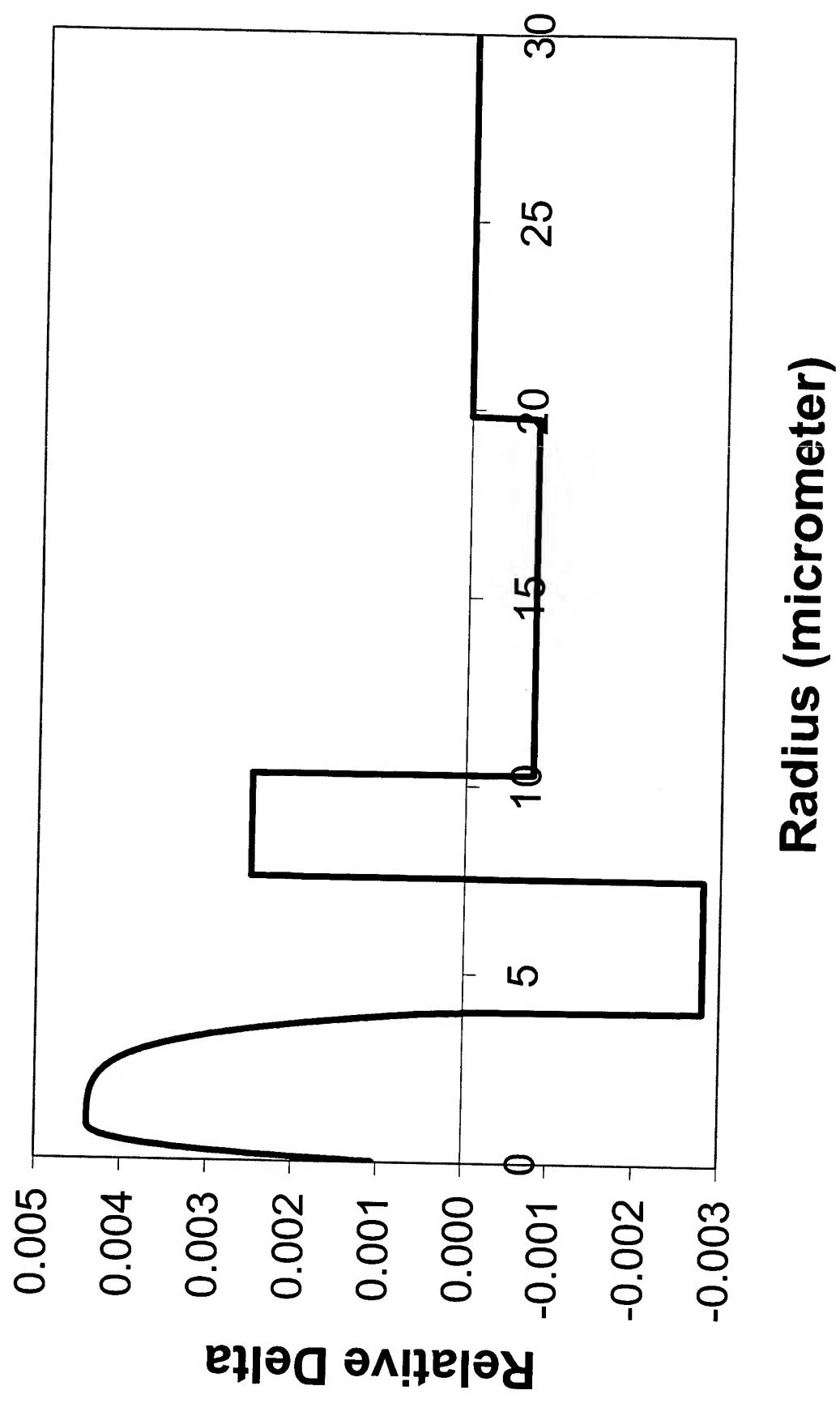




FIG. 9: Profile Representing a third SCL Band Fiber

